

Figure 1-A  
 $T_{reesei}$   $hg4$  nucleotide sequence (non-coding is in bold, coding is in regular font)

1827-1830 1831

Figure 1-B *T. reesei* *hol4* nucleotide sequence (non-coding is in regular font)

BGL4 Beta-Glucosidase and Nucleic Acids  
Encoding the Same  
Dunn-Coleman et al.  
SN# Unassigned  
Docket No. GC696  
Sheet 2 of 4

TO8TET=0004200T

Figure 2-A

Predicted *T. reesei* BGL4 amino acid sequence

BGL4 Beta-Glucosidase and Nucleic Acids  
Encoding the Same  
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Sheet 3 of 4

MADIDVEAIIKKLTLAERKVLLLAGIDFWHTKALPKHGVPSLRFIDGPNVGVRGTTKFFNGVPAACFPCTSL  
10 20 30 40 50 60 70  
GSTENQTLLEEAGKMGKEAIAKSAAHVLGPTINMQRSPLGGRGFESICEDPFLAGLGAALIRGIQSTG  
80 90 100 110 120 130 140  
YQATIKHFLCNDQEDRRMMVQSIVTERALREIYALPFQIAVRDSDQPGAFMTAYNGINGVSCSENPKYLDG  
150 160 170 180 190 200 210  
MLRKEWGWDGLIMSDWYGTYSTTEAVVAGLDLEMGPGRFRGETLKFVNVSNGKPFTIIVIDQRAREVLFV  
220 230 240 250 260 270 280  
KKCRAASGVTENGPETTVNNTPETAALLRKVGNEGIVLLKNNENVLPLSKKKKTLIVGPNAKQATYHGGGS  
290 300 310 320 330 340 350  
AALRAYYAVTPEDGLSKQLETPPSYTVGAYTIVPPITGEQCLTPDGAPGMRWVFNEPPGTPNRQHIDEL  
360 370 380 390 400 410 420  
FFTAKTDMHLVDYTHPKAADTYWADMEGTYTADEDCTYELGLVVCGTAKAYVDDQLVWVDNATKQVPGDAFF  
430 440 450 460 470 480 490  
GSATREETGRINLVKGNTYKFKIEFGSAPTYTLKGDTTVPGHGSLRVGGCKVIDDQAEIEKSVVALAKEDH  
500 510 520 530 540 550 560  
QVIIICAGLNA DWETEGADRA SMKLPGVLDQ LIADVAAAAMP NTVVVMQGTGPEMPWLDATPAVIQAWYGG  
570 580 590 600 610 620 630

TO ST2T\* 000<200T

Figure 2-B

Predicted *T. reesei* BGL4 amino acid sequence

NETGNSIADV VFGDYNNSGK LSLSFPKRLQ DNPAFLNFRT EAAGRTRYGED VVVGYYRYEF ADKDVNFPFG  
640 650 660 670 680 690 700  
HGLSYTTFAF SNLSVSHKDQ KLSVSLSVKN TGSVPGQAQVA QLYVKPLQAA KINRPVKELK GFAKVELQPG  
710 720 730 740 750 760 770  
ETKAVTIEEQ EKVKVAAFYFDE ERDQMCVEKGK DYEVIVSDSS AAKDGVALRG KFTVGETYWW SGV  
780 790 800 810 820 830 833